

IEC SYSTEM FOR MUTUAL RECOGNITION OF TEST CERTIFICATES FOR ELECTRICAL EQUIPMENT (IECEE) CB SCHEME

CB TEST CERTIFICATE

Product	Converter (Hybrid inverter)
Name and address of the applicant	Shenzhen Kstar New Energy Company Limited The 9th Floor, R&D Building Kstar Industrial Park, Guangming Hi-tech Industrial Zone 518107 Shenzhen, Guangdong Province PEOPLE'S REPUBLIC OF CHINA
Name and address of the manufacturer	Shenzhen Kstar New Energy Company Limited The 9th Floor, R&D Building, Kstar Industrial Park, Guangming Hi-tech Industrial Zone, 518107 Shenzhen, Guangdong Province, PEOPLE'S REPUBLIC OF CHINA
Name and address of the factory	Shenzhen KSTAR Science & Technology Co., Ltd. Guangming Branch Kstar High Tech Park, Guangming High, Technology Town, Gongming Street, Baoan District, 518107 Shenzhen City, Guangdong Province, PEOPLE'S REPUBLIC OF CHINA
Ratings and principal characteristics	See below pages
Model/type Ref.	BluE-S 3680D, BluE-S 5000D, BluE-S 6000D, BluE-S 3680D-M1, BluE-S 5000D-M1, BluE-S 6000D-M1
A sample of the product was tested and found to be in conformity with	IEC 62109-1:2010 IEC 62109-2:2011
as shown in the Test Report Ref. No. which forms part of this certificate	085-223001301-000

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CBS 075386 0170 Rev. 00

Date, 2022-02-23



(Billy Qiu)



IEC

IECEE
CB
SCHEME

Ref. Certif. No.

SG PSB-PV-00021

IEC SYSTEM FOR MUTUAL RECOGNITION OF TEST CERTIFICATES FOR ELECTRICAL EQUIPMENT
(IECEE) CB SCHEME

Trade mark (Image)

KSTAR

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Ratings and principal characteristics

Model	BluE-S 3680D	BluE-S 5000D	BluE-S 6000D
PV terminal			
Vmax. PV	580Vd.c.		
Rate Voltage	400Vd.c.		
MPPT Voltage Range	120~550Vd.c.		
MPPT Voltage Range (full load)	184 ~ 550Vd.c.	230 ~ 550Vd.c.	300 ~ 550Vd.c.
MPPT Tracker number	2		
Max. continuous PV input current per tracker	13Ad.c.		
Isc PV per tracker	16Ad.c.		
Max. continuous PV input power	4800W	6500W	7500W
Battery terminal			
Battery type	Lithium or lead-acid battery		
Voltage range	40~60Vd.c.		
Rated voltage	48Vd.c.		
Maximum charge/discharge current	50Ad.c./80Ad.c.	100Ad.c./100Ad.c.	
Maximum charge/discharge power	3000W/4000W	4600W/5000W	
Grid terminal parameter			
Rated voltage	230Va.c.		
Rated frequency	50/60Hz		
Rated input current	31Aa.c.		
Maximum continuous input current	32Aa.c.		
Maximum continuous input power	7360VA		
Rated output current	16Aa.c.	22Aa.c.	25Aa.c.
Maximum continuous output current	16Aa.c.	22Aa.c.	25Aa.c.
Maximum continuous output power	3680VA	5000VA	6000VA
Power factor (Cos phi), adjustable	0.8 leading ~0.8 lagging		
Back up load terminal parameter			
Rated voltage	230Va.c.		
Rated frequency	50/60Hz		
Rated output current	16Aa.c.	20Aa.c.	
Maximum continuous output current	16Aa.c.	20Aa.c.	
Rated continuous output power	3680W	4600W	
Maximum output apparent power	4000VA	5000VA	
General parameter			
Temperature	-25°C to +60°C, derating above 45 °C		
Protective class	Class I		
Overvoltage Category	II(DC side), III(AC side)		
Ingress protection	IP65		
Altitude	≤ 2000m		

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Model	BluE-S 3680D-M1	BluE-S 5000D-M1	BluE-S 6000D-M1
PV terminal			
Vmax. PV	580Vd.c.		
Rated Voltage	400Vd.c.		
MPPT Voltage Range	80~560Vd.c.		
MPPT Voltage Range (full load)	165 ~ 520Vd.c.	210 ~ 520Vd.c.	250 ~ 520Vd.c.
MPPT Tracker number	2		
Max. continuous PV input current per tracker	15Ad.c.		
Isc PV per tracker	18Ad.c.		
Max. continuous PV input power	4800W	6500W	7500W
Battery terminal			
Battery type	Lithium or lead-acid battery		
Voltage range	40~60Vd.c.		
Rated voltage	48Vd.c.		
Maximum charge/discharge current	50Ad.c./80Ad.c.	100Ad.c./100Ad.c.	
Maximum charge/discharge power	3000W/4000W	4600W/5000W	
Grid terminal parameter			
Rated voltage	230Va.c.		
Rated frequency	50/60Hz		
Maximum continuous input current	32Aa.c.		
Maximum continuous input power	7360VA		
Maximum continuous output current	16Aa.c.	22Aa.c.	25Aa.c.
Maximum continuous output power	3680W	5000W	6000W
Maximum output apparent power	3680VA	5000VA	6000VA
Power factor (Cos phi), adjustable	0.8 leading~0.8 lagging		
Back up load terminal parameter			
Rated voltage	230Va.c.		
Rated frequency	50/60Hz		
Maximum continuous output current	16Aa.c.	20Aa.c.	
Rated continuous output power	3680W	4600W	
Maximum output apparent power	4000VA	5000VA	
General parameter			
Temperature	-25°C to +60°C, derating above 45 °C		
Protective class	Class I		
Overvoltage Category	II(DC side), III(AC side)		
Ingress protection	IP65		
Altitude	≤ 2000m		

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